



## Electronic Filing System (EFS) Data Electronic Patent Application Submission USPTO Use Only

EFS ID:

68923

Application ID:

10647218

Clutchless Variable Displacement

Refrigerant Compressor With

Mechanism For Reducing

Displacement Work At Increased

Title of Invention:

**Driven Speed During** 

NonOperation of Refrigerating

System Including The

Compressor

First Named Inventor:

**Anri Enomoto** 

Domestic/Foreign Application:

**Domestic Application** 

Filing Date:

2003-08-26

**Effective Receipt Date:** 

2004-09-21

Submission Type:

Information Disclosure

Statement

Filing Type:

Confirmation number:

1899

**Attorney Docket Number:** 

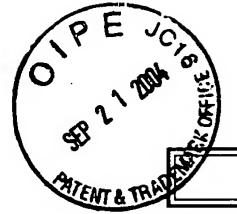
018842.1272

Total Fees Authorized:

Digital Certificate Holder: cn=JAMES B ARPIN,ou=Registered Attorneys,ou=Patent and Trademark

Office,ou=Department of Commerce,o=U.S. Government,c=US

Certificate Message Digest: 8cefd74cfbb80c0a09d982b6a519546189dfdd43



#### **TRANSMITTAL**

Electronic Version v1.1
Stylesheet Version v1.1.0

Title of Invention

Clutchless Variable Displacement Refrigerant Compressor With Mechanism For Reducing Displacement Work At Increased Driven Speed During NonOperation of Refrigerating System Including The Compressor

Application Number:

10/647218

Date:

2003-08-26

First Named Applicant:

Mr. Anri Enomoto

**Confirmation Number:** 

1899

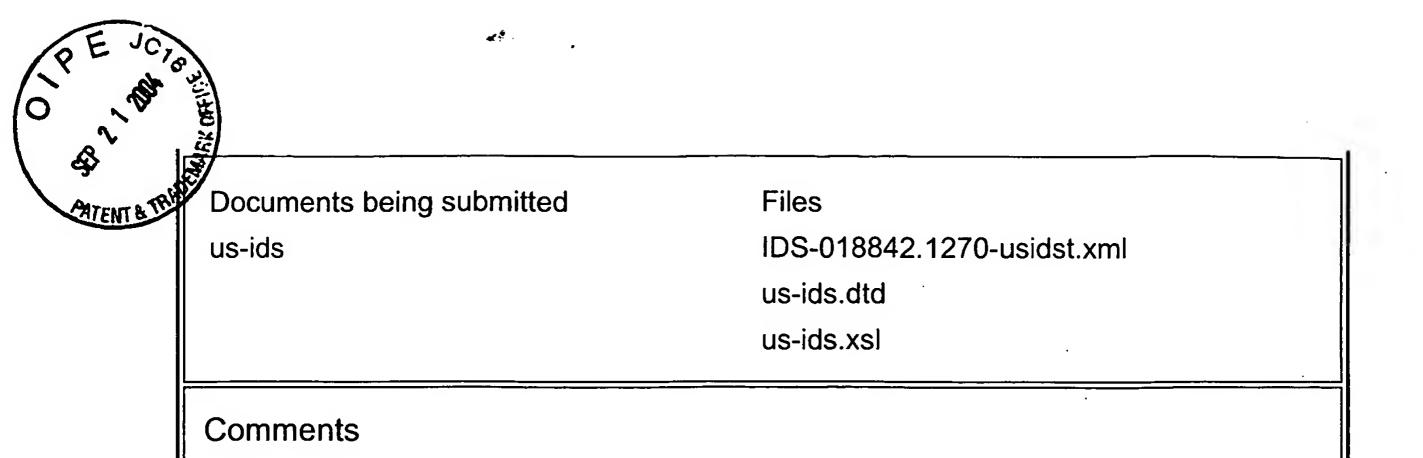
Attorney Docket Number: 018842.1272

I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

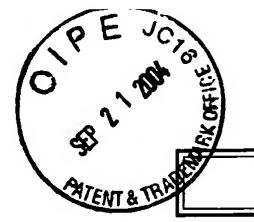
I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Mr. James Bertrand Arpin Registered Number: 33470	/James B. Arpin/	Attorney

APP\_ID=10647218 Page 1 of 2



APP\_ID=10647218 Page 2 of 2



### **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

Clutchless Variable Displacement Refrigerant Compressor With Mechanism For Reducing Displacement Work At Increased Driven Speed During NonOperation of Refrigerating System Including The Compressor

**Application Number:** 

10/647218

Confirmation Number:

1899

First Named Applicant:

Anri Enomoto

Attorney Docket Number: 018842.1272

Art Unit:

3746

Search string:

( 6589019 or 6684655 or 5983775 or 5573379 or 4502844 or 4586874 or 4842488 or 4874295

or 4880360 or 4960366 or 5255569 or 6102669 or 6179572 or 20030095874 ).pn.

**US Patent Documents** 

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6589019	2003-07-08	Terauchi	B2	417	63
	2	6684655	2004-02-03	Terauchi	B2	62	228.5
	3	5983775	1999-11-16	Fukai		92	12.2
	4	5573379	1996-11-12	Kimura		417	222.2
	5	4502844	1985-03-05	Kimura		417	275
	6	4586874	1986-05-06	Hiraga		417	222
	7	4842488	1989-06-27	Terauchi		417	222
	8	4874295	1989-10-17	Kobayashi		417	222
	9	4880360	1989-11-14	Terauchi		417	222
	10	4960366	1990-10-02	Higuchi		417	222
	11	5255569	1993-10-26	Terauchi		74	60
	12	6102669	2000-08-15	Fujita		417	222.2
	13	6179572	2001-01-30	Taguchi	B1	417	222.2

# **US Published Applications**

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20030095874	2003-05-22	Tagami	A1	417	222.1

### Signature

Examiner Name	Date
·	

APP\_ID=10647218 Page 2 of 2